

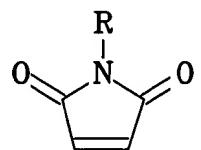
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

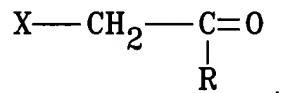
Listing of Claims:

Claims 1-23 (canceled)

1 Claim 24 (currently amended): A composition comprising an inactivated
2 retrovirus, wherein the retrovirus is inactivated due to disruption of one or more CCHC zinc
3 fingers by contact with a compound selected from the group consisting of:
4 disulfides having the formula R-S-S-R;



5 maleimides having the formula ;



6 alpha-halogenated ketones having the formula ;

7 hydrazides having the formula R-NH-NH-R;

8 nitric oxide;

9 **eupri c ions and complexes containing Cu⁺²**; and

10 ferric ions and complexes containing Fe⁺³;

11 wherein the compound is not 5,5-Dithiobis(2-Nitrobenzoic Acid), and wherein R
12 is any atom or molecule, and X is selected from the group consisting of F, I, Br and Cl, and
13 wherein contacting said retrovirus with said compound inactivates said retrovirus.

1 Claim 25 (previously presented): The composition of claim 24, wherein the
2 compound is selected from the group consisting of: Tetramethylthiuram Disulfide,
3 Tetraethylthiuram Disulfide, Tetraisopropylthiuram Disulfide, Tetrabutylthiuram Disulfide,
4 Dicyclopentamethylenethiuram Disulfide, Isopropylxanthic Disulfide, O,O-Diethyl

5 Dithiobis-(Thioformate), Benzoyl Disulfide, Benzoymethyl Disulfide, Formamidine Disulfide
6 2HCl, 2-(Diethylamino)ethyl Disulfide, Aldrithiol-2, Aldrithiol-4, 2,2-Dithiobis(Pyridine
7 N-Oxide), 6,6-Dithiodinicotinic Acid, 4-Methyl-2-Quinolyl Disulfide, 2-Quinolyl Disulfide, 2,2
8 Dithiobis(benzothiazole), 2,2-Dithiobis(4-Tert-Butyl-1-Isopropyl)-Imidazole,
9 4-(dimethylamino)phenyl disulfide, 2-Acetamidophenyl Disulfide, 2,3-Dimethoxyphenyl
10 Disulfide, 4-Acetamidophenyl Disulfide, 2-(Ethoxycarboxamido)phenyl Disulfide,
11 3-Nitrophenyl Disulfide, 4-Nitrophenyl Disulfide, 2-Aminophenyl Disulfide, 2,2
12 Dithiobis(benzonitrile), p-Tolyl Disulfoxide, 2,4,5-Trichlorophenyl Disulfide,
13 4-Methylsulfonyl-2-Nitrophenyl Disulfide, 4-Methylsulfonyl-2-Nitrophenyl Disulfide,
14 3,3-Dithiodipropionic Acid, N,N-Diformyl-L-Cystine, Trans-1,2-Dithiane-4,5-Diol,
15 2-Chloro-5-Nitrophenyl Disulfide, 2-Amino-4-Chlorophenyl Disulfide,
16 2,2-Dithiobis(1-Naphthylamine), 2,4-Dinitrophenyl *p*-Tolyl Disulfide, 4-Nitrophenyl *p*-Tolyl
17 Disulfide, and 4-Chloro-3-Nitrophenyl Disulfide.

1 Claim 26 (original): The composition of claim 24, wherein the compound
2 selected from the group consisting of disulfides having the formula R-S-S-R.

1 Claim 27 (original): The composition of claim 24, wherein the compound is
2 Aldrithiol-2.

1 Claim 28 (original): The composition of claim 24, wherein the retrovirus is
2 selected from the group consisting of *Lentiviruses* and *Oncoviruses*.

1 Claim 29 (original): The composition of claim 28, wherein said retrovirus is an
2 HIV-1 retrovirus.